												60		B.(DRING A-2	No.
3 5	## **	# ± 1	ATTERBERG LIMITS		FIELD MOISTURE CONTENT		DENSITY	LOSS NS)	INT ERED		BLOW COUNTS			RFAGE ELEVATION 593.0	EVATION (FEET)	
DEPTH (FEET)	OTHER	SHEAR STRENGTH PSF	LIGUID	PLASTIC	PLASTICITY INDEX	F IE	8 L	DRY DE	WATER LOSS (LUGEONS)	PERCENT RECOVERED	RQD	BLOW COL				ELL
0			1	15-	15-	- 9	-	_				78	SYM	BOLS ISM	DESCRIPTIONS DARK BROWN SILTY FINE SAND WITH ORGANIC DEBRIS	
5												14		SM	(VERY LOOSE) DARK BROWN TO REDDISH-BROWN MOTTLED SILTY FINE SAND WITH SOME FINE ORGANIC DEBRIS (LOOSE) LIGHT BROWN FINE SAND WITH A TRACE OF SILT (MEDIUM DENSE)	590
	•											30			(EQUALITY FORMATION) GRADES TO BROWNISH-GRAY COLOR, CLEAN	— <i>585</i>
10						19	9.8	106				34		SP		<i>580</i>
15				ř								52			GRADES TO DENSE	F7F
000			•													<i>—575</i>
20	:					15	5.8	110				33		SW	BROWNISH-GRAY WELL GRADED SAND WITH OCCASIONAL FINE GRAVEL (DENSE)	
25						10	0.3	133				25/3"			DARK GRAY CLAYEY SILT WITH SAND, AND SOME DOLOMITE GRAVEL AND OCCASIONAL COBBLE OR BOULDER (HARD) (WEDRON FORMATION)	<i>—570</i>
30														ML		— <i>565</i>
		8875				10	0.3	131				81			NUMEROUS COBBLES AND BOULDERS BELOW 33.5 FE	_E T-560
35														TOP	DF BEDROCK (CARBONDALE FORMATION)	
40		5050				+	2.9	127				90		GRAY	SILTSTONE, MICACEOUS, THINLY LAMINATED, WEATHERED,	555
1			The state of the s			10	0.7	135	-			90/6				—550
45														THE STATE OF THE S		
1	ļ															545
50					***************************************								The second secon	NU 1	MEROUS 300TO 450 AND NEAR VERTICAL FRACTURES SPACED TO 8" FROM 50.0 TO 60.5 FEET	<i>540</i>
55	·	+	+			\dashv		T	$\dagger\dagger$	-1100	71				GRADES WELL INDURATED, BASE OF WEATHERING 56.5 FEE	T
																535
60	-		+			\dashv		\vdash	+	╢	T	1			GRADES LESS FRACTURED BELOW 60.5 FEET	
										100	52					530
65	; 	-	+			+		+	+	┸	$oldsymbol{\perp}$	1				
70															45° FRACT RE AT 68.6 FEET	<u>—525</u>
										91	3 94				GRADES TO GRAY SILTY SHALE, FINELY MICACEOUS, OCCASIONAL 1 INCH SIDERITE CONCRETION: VERY THINLY LAMINATED, HORIZONTAL	—520
73	<u> </u>					L					'	•			BORING CONTINUED	5/5
													Г		BRAIDWOOD STATION	

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FIGURE 2.5-125

LOG OF BORING A-2 (SHEET 1 OF 4)

ſ			ATTERBERG	ž					BORING A-2 CONTINUED
3F	E .	SHEAR STRENGTH PSF	LIMITS	FIELD MOISTURE CONTEN	DENSITY PCF	WATER LOSS	ENT	٥	BORING A-2 CONTINUED
(FEET)	OTHER TESTS	STREY	LIMIT % PLASTIC LIMIT % PLASTICITY INDEX	STURE	10 × 100	ATER (LUGE	PERCENT RECOVERED	ROP	ì
75			22 52 52	9	L	,			SYMBOLS DESCRIPTIONS
							-		30° AND HIGH ANGLE FRACTURES SPACED 2 TO 12 INCHES FROM 75.5 TO 78.5 FEET
									ZONE OF FRACTURED DISTORTED LAMINATIONS 78.5 TO 79.8 FEET
80							96	34	BLACK COAL: THIN BEDDED; NUMEROUS VERTICAL TIGHT FRACTURES WITH SOME PYRITE AND CLAY; GRADES TO HIGHLY CARBONACEOUS
									SHALE IN BASAL 3 INCHES —5
85		 		-	-	1	-		DARK GRAY CLAYEY SHALE, CARBONACEOUS; HIGHLY FRAGMENTED WITH NUMERCUS RANDOM SLICKENSIDES
						l i			(SPOON FORMATION) GRADES LESS CARBONACEOUS, LIGHT BROWN TO GRAY COLOR BELOW 87.0 FEET —— 2
20									
90							100	83	GRADES CARBONACEOUS AT 90.5 FEET
									LIGHT GRAY FINE SANDY SILTSTONE, MICACEOUS; INDISTINCTLY - 5
95		 	-	+	+	+	_		GRADES THIMLY LAMINATED BELOW 96.0 FEET
									2 INCH LAYER OF BROWN SILTY COLITIC SIDERITE AT 98.2 FEET -4
100									DARK BROWNISH-GRAY CLAYEY SHALE, CARBONACEOUS IN ZONES; FRAGMENTED WITH NUMEROUS SLICKENSIDES ALONG RANDOM
,,,,			,				90	66	PLANES OF WEAKNESS
									—4
105		 		+	+	1	_	<u> </u>	GRADES HIGHLY CARBONACEOUS 104.9 TO 105.3 FEET GRADES HIGHLY CARBONACEOUS 104.9 TO 105.3 FEET GRADES HIGHLY CARBONACEOUS 104.9 TO 105.3 FEET
									LAMINATED; FRAGMENTED, NUMEROUS RANDOM FRACTURES WITH SLICKENSIDES ——4
110				<u> </u>		1	-		DADY CREENIES COAY CHAIR DOLONITICS LANGUATED
,,,							95	72	DARK GREENISH-GRAY SHALE, DOLOMITIC; LAMINATED 30° AND 45° FRACTURES AT 110.5 AND 111.5 FEET
									(BRAINARD FORMATION) ——4
//5					1		1_	L	
									—4
120	ļ			-	-	1	-		
							98	93	GRADES CALCAREOUS AT 122.C FEET
=									GRAY SILTY LIMESTONE, FINE TO MEDIUM CRYSTALLINE,
125							1	-	FOSSILIFEROUS; THIN BEDDED WITH NUMEROUS GRADATIONAL AND IRREGULAR PARTINGS AND 1/4 TO 2 INCH ZONES OF CALCAREOUS SHALE SPACED 1/4 TO 10 INCHES.
									(FORT ATKINSON FORMATION)
130	 	-	-	-		+-	┨		
							1100	100	
175									CONTINUE OF THE PROPERTY OF TH
135							-	+-	COLUMN COLUMN DICOLS THE COLUMN
	1				-				00000 00000 00000 00000
140				+	+	$\dagger\dagger$	100	95	81015 19110 19110 19100
	l								100 E 100 E 100 E
145			•	1	1	$\perp \downarrow$			100 F 00 00 100 F 00 00
. 40							-	+	1501 E 00 20 10 10 C 17 100 C
							100	91	LIGHT GRAY LIMESTONE WITH SOME SILT, CALCARENITIC; THIN
150	L	1	1			1.1.	_1	1	BEDDED, PREGULAR HAIR LINE SHALE PARTINGS AND STYDLITES SPACED 1/2 TO 8 INCHES
									BORING CONTINUED

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FIGURE 2.5-125

LOG OF BORING A-2 (SHEET 2 OF 4)

_												BORING A-2 CONTINUED	<u>8</u> €
(FEET)	OTHER TESTS	SHEAR STRENGTH PSF	_	TTERBE	3	FIELD MOISTURE CONTENT	Y DENSITY	PCF	(FUGEOMS)	PERCENT	ROD		ELEVAT (FEE)
150		18	CINONI	\$50	A E	809	š	_		*		SYMBOLS DESCRIPTIONS NEAR VERTICAL FRACTURE 149.5 TO 151.1 FEET TOPOLOGICAL	
,50										·		1 INCH OPEN VUG AT 149.7 FEET; OIL STAINED THROUGHOUT	440
155												GRADES TO LIGHT BUFF PURE LIMESTONE, COARSELY CALCARENITIC BELOW 155.0 FEET, MEDIUM BEDDED; NEAR VERTICAL TIGHT FRACTURE WITH OIL STAIN FROM 155.0 TO 156.3 FEET	435
160			1				+	1		100	98	1/2 INCH OPEN VUG AT 162.5 FEET	- 430
												3 mar 10	
165												DARK GRAY CALCAREOUS SILTSTONE; LAMINATED, EXTREMELY ABUNDANT FOSSILS IN THIN WHITE IRREGULAR BANDS; INTERBEDDED GRADATIONAL 1/2 TO 2 INCH ZONES OF GRAY SILTY LIMESTONE SPACED 1 TO 6 INCHES (SCALES FORMATION)	- 425
170							1			100	100	DARK GRAY SILTY SHALE, DOLOMITIC; LAMINATED; 1 TO 6 INCH CALCAREOUS AND FOSSILIFEROUS ZONES SPACED 1 TO 18 INCHES; FISSILE IN SHALEY ZONES	-420
175						+	+		-	_	-		- 415
180							1			98	98	*	- 4/2
185												GRADES TO INTERBEDDED ZONES OF GRAY SILTY LIMESTONE 6 TO 18 INCHES THICK SPACED 1 TO 4 FEET; FINE TO COARSELY CRYSTALLINE, CALCARENITIC AND FOSSILIFEROUS IN ZONES	-410
													- 40
190										100	88	COLUMN 1	- 40
195										-	-		<i>3</i> 9
200									Ц			INTERBEDDED SILTY LIMESTONE BEDS GRADE OUT AT 198.3 FEET DARK GRAY SILTY SHALE, DOLOMITIC, LAMINATED, FISSILE;	
										100	67	INTERBEDDED 2 TO 6 INCHES CALCAREOUS ZONES SPACED 6 INCHES TO 3 FEET	39
205										brace	+		- 38
210						+				96	3 9		<i>3</i> 6
215	,		_			\bot		_	H	4			
													<i>3</i> 7
220						1				9	9 9	-	— <i>3</i> 7
22	<u></u>							L_	Ш	J	I	BORING CONTINUED	
												<u>-</u>	36
												BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REP	OR

FIGURE 2.5-125

LOG OF BORING A-2 (SHEET 3 OF 4)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS LIMIT L	FIELD MOISTURE CONTENT	DRY DENSITY PCF	WATER LOSS (LUGEONS)	PERCENT RECOVERED	ROD	BORING A-2 CONTINUED	ELEVATION (FEET)
225		•	PLASTIC LIMIT PLASTIC HNDE:	81018	•	*			SYMBOLS DESCRIPTIONS	
									CALCAREOUS ZONES GRADED THINNER AND MORE WIDELY SPACED BELOW 227.0 FEET	<i>365</i>
2 3 0							100	98		<i>360</i>
235							-		The state of the s	— <i>355</i>
240							100	100	Control of the contro	<i>350</i>
245							-			345
250							Ioo	100	MOTTLED LIGHT GRAY TO BUFF DOLOMITIC LIMESTONE; FINE TO MEDIUM CRYSTALLINE; THIN TO MEDIUM BEDDED, NUMEROUS IRREGULAR HAIR LINE SHALE PARTINGS SPACED 1/2 TO 12 INCHES; UPPER CONTACT DISPLAYS NUMEROUS 1 TO 3 INCH SOLUTION CAVITIES WHICH HAVE BEEN FILLED COMPLETELY INCHES OVER 1 TO 1	—340
<i>255</i>									BY CONSOLIDATED MATERIAL WHICH GRADES INTO THE OVERLYIN SCALES FORMATION 1 INCH VUG AT 256.3 FEET, PARTIALLY FILLED WITH CALCITE CRYSTALS (WISE LAKE - DUNLEITH FORMATIONS)	<i>335</i>
260							100	ю		— <i>330</i>
265										— <i>325</i>
270	}						100	98		— <i>320</i>
275	5							-	1/2 INCH OPEN VUG AT 274.5 FEET BORING COMPLETED AT 276.0 FEET ON 9-14-72	 3/5
280									300 POUND HAMMER FALLING 18 INCHES	710
										310

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FIGURE 2.5-125

LOG OF BORING A-2 (SHEET 4 OF 4)